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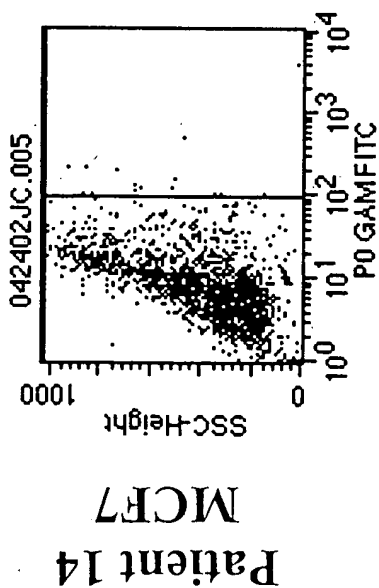
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Pan 3

Pan 2

Pan 1



No
enrichment

No
enrichment

No
enrichment

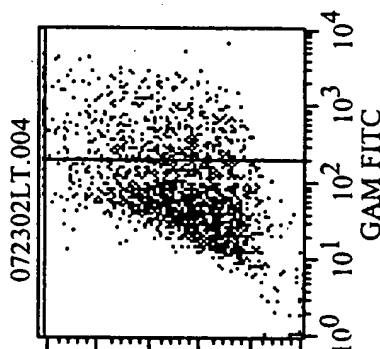
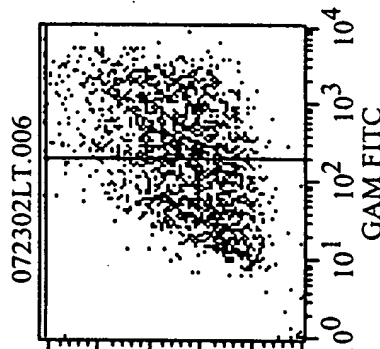
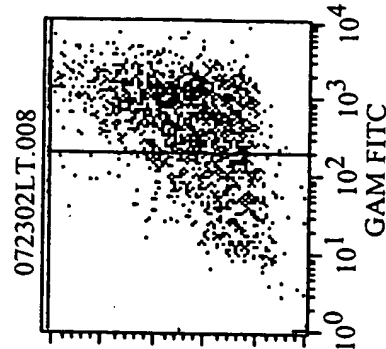
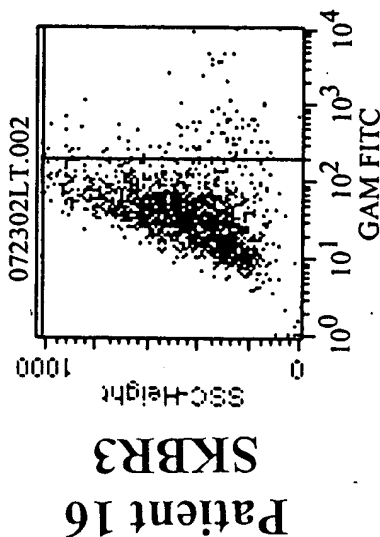


Fig. 1A

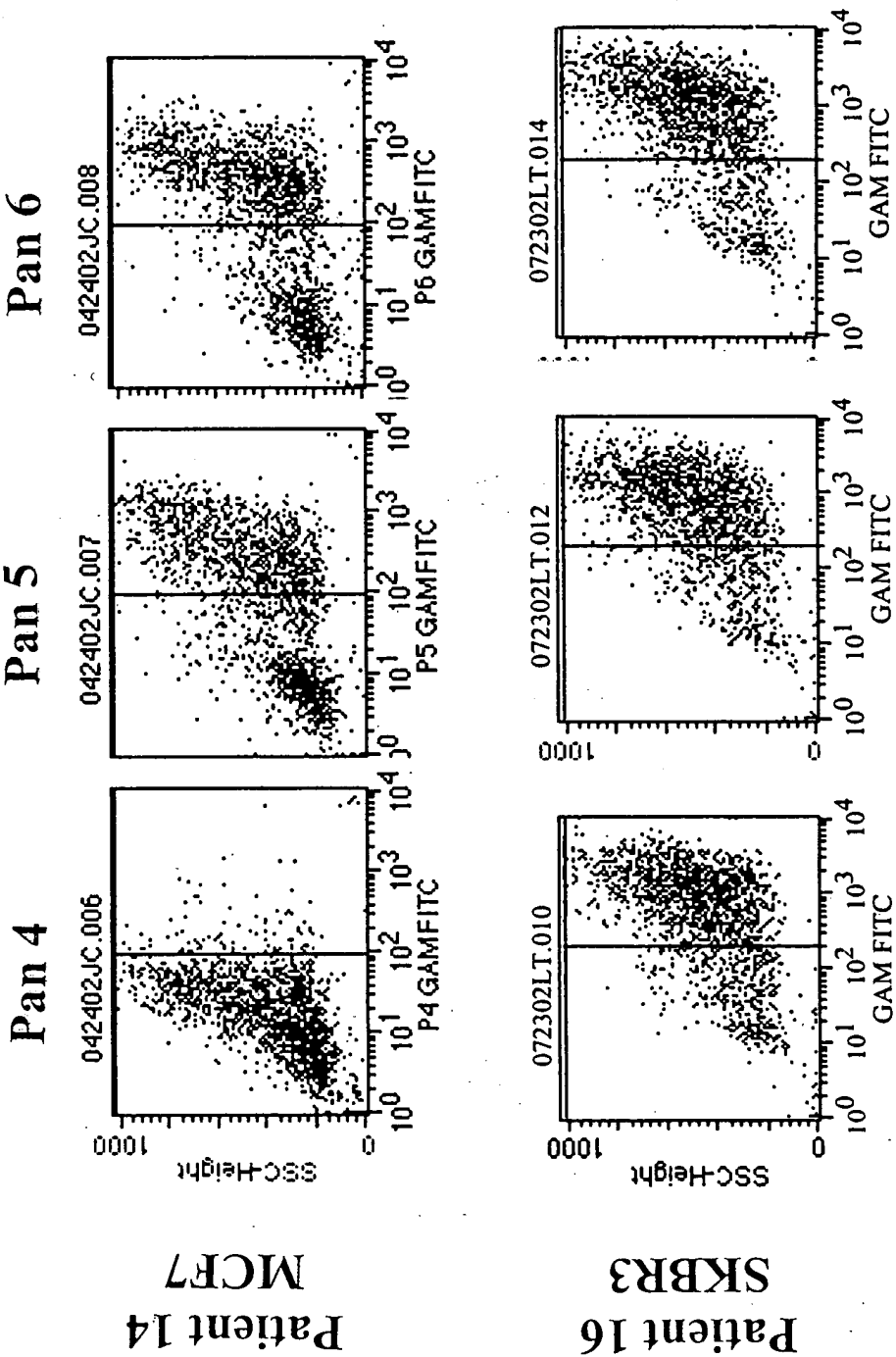


Fig. 1B

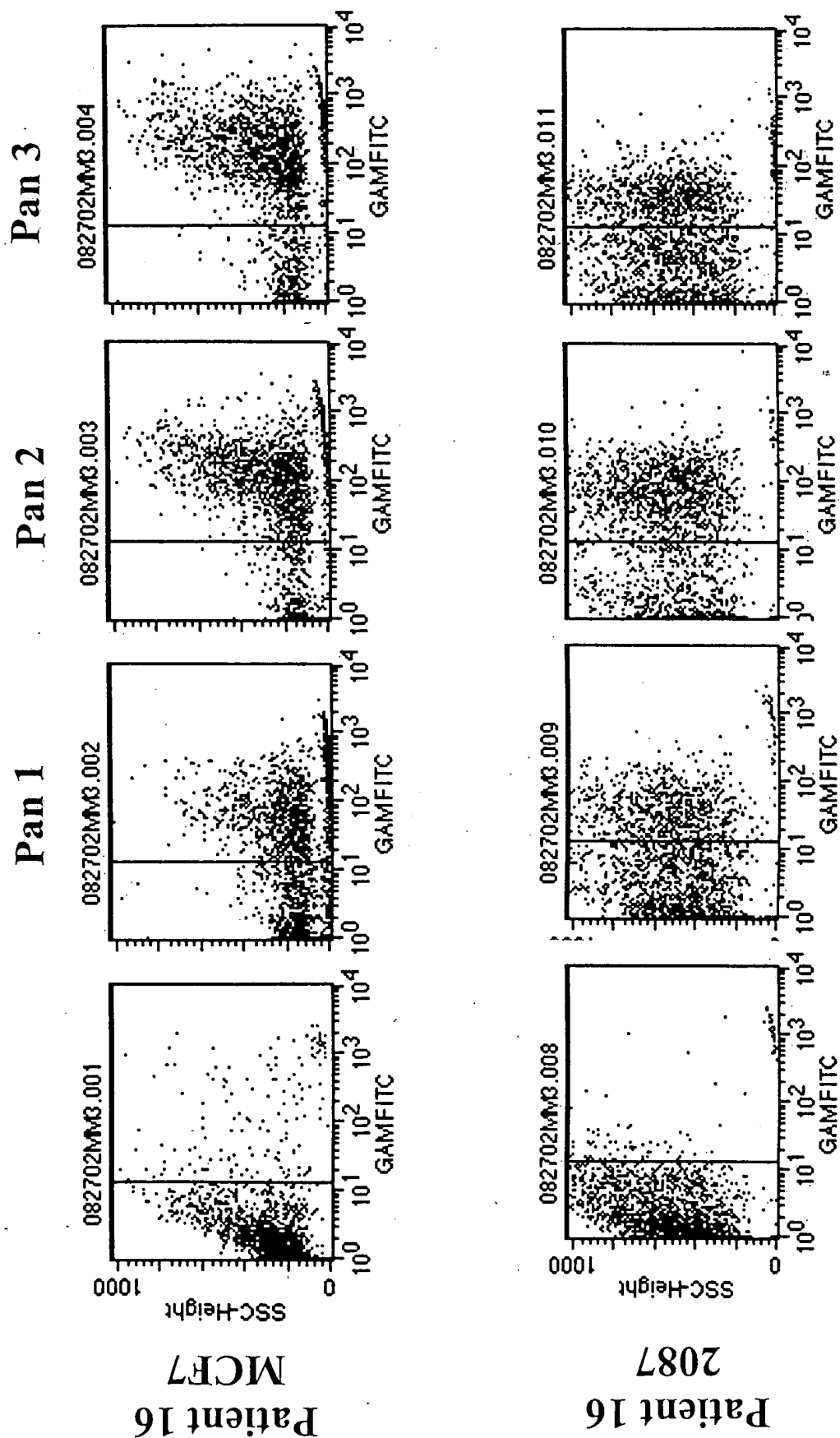


Fig. 1C

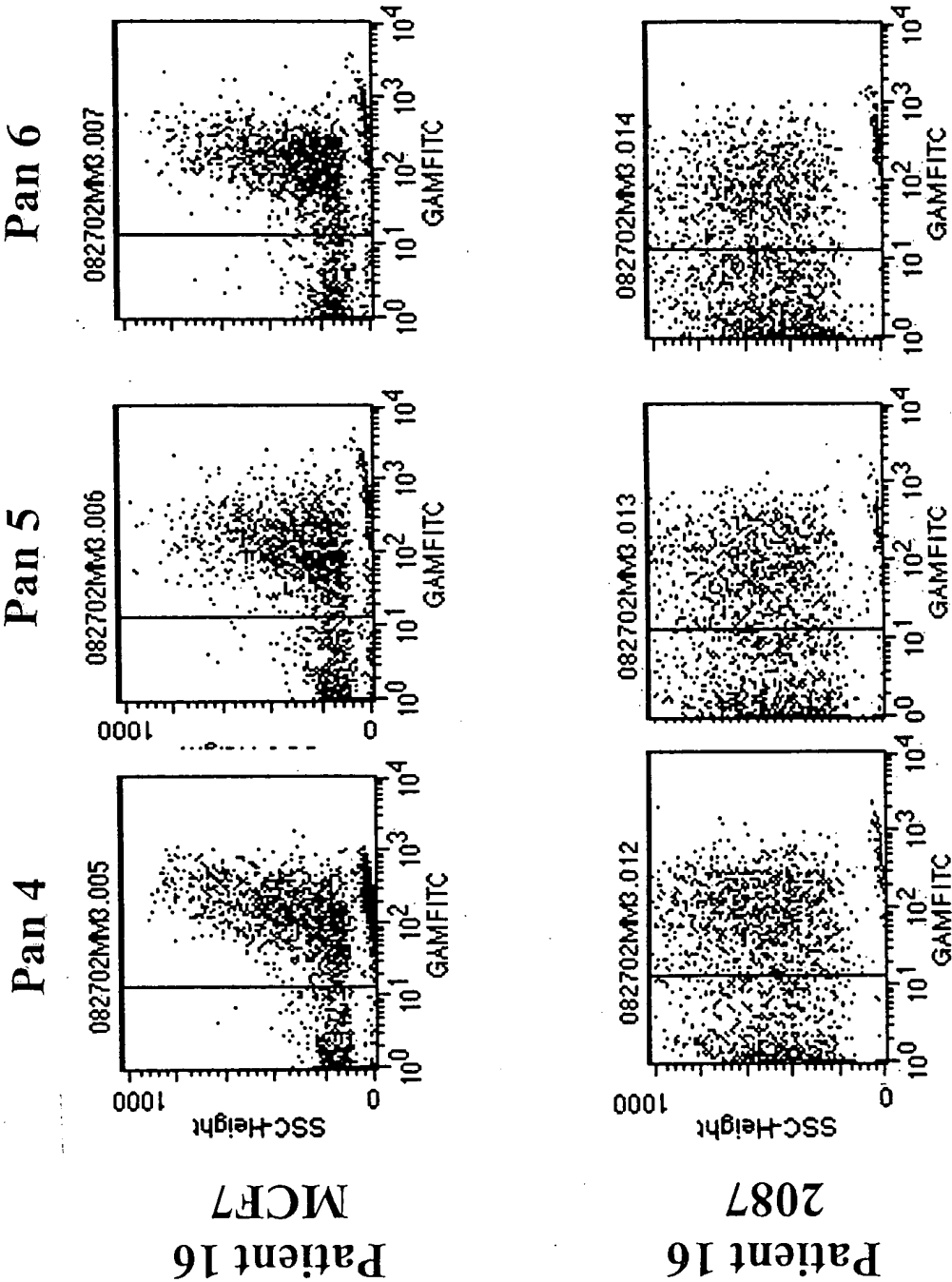
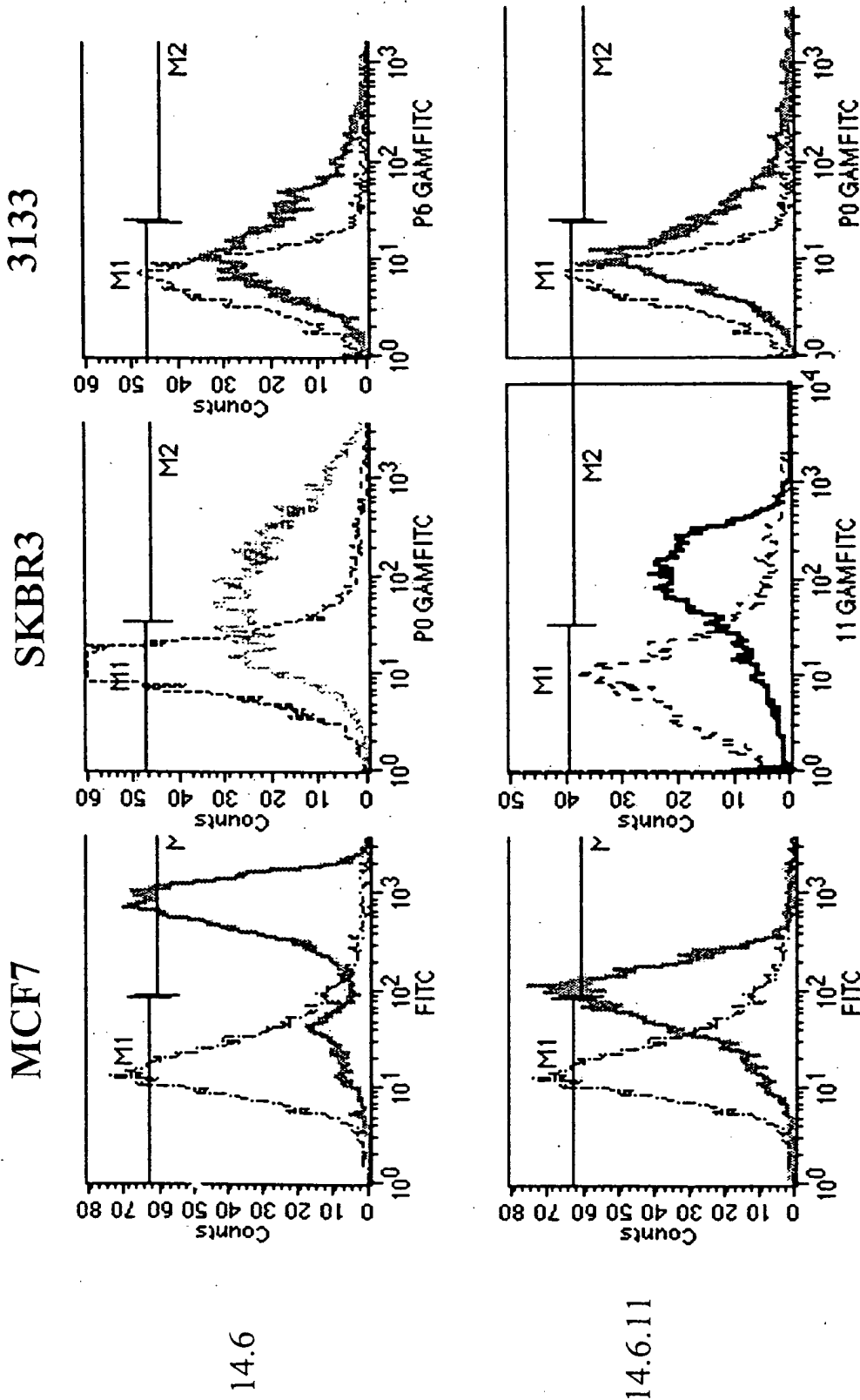
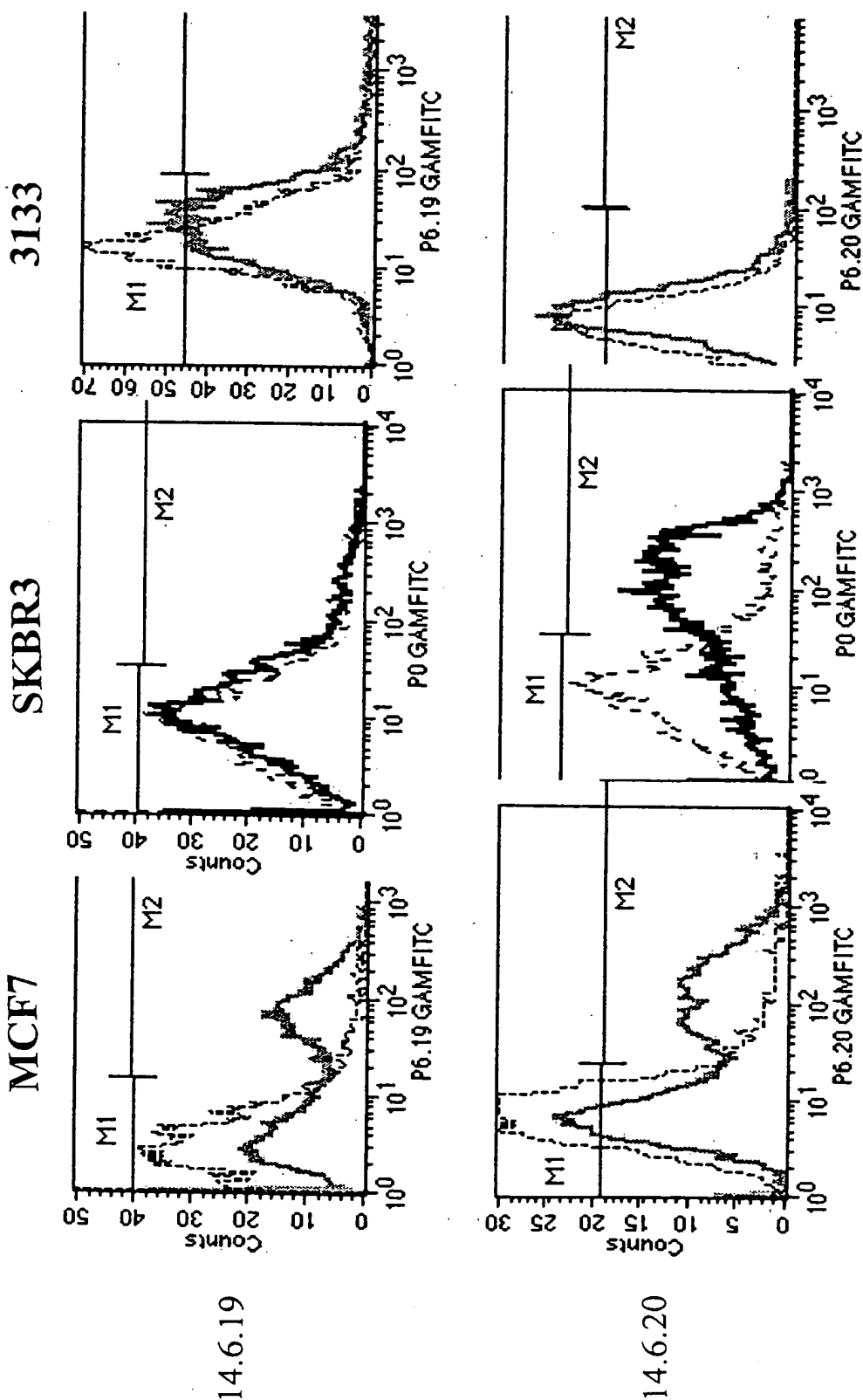


Fig. 1D



Key: Dotted line = preselection antibodies
Solid line = antibody pool after selection on breast cancer cells or individual Fab clone
MCF-7 = breast cancer cell line
SKBR3 = breast cancer cell line
3133 = breast cancer cell line
3199 = breast cancer cell line
2087 = breast cancer cell line
HMEC = Nonmalignant primary mammary epithelial cells
A549 = lung carcinoma cell line
HL60 = leukemia cell line

Fig. 2A



Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

2087 = breast cancer cell line

SKBR3 = breast cancer cell line

HMEC = Nonmalignant primary mammary epithelial cells

3133 = breast cancer cell line

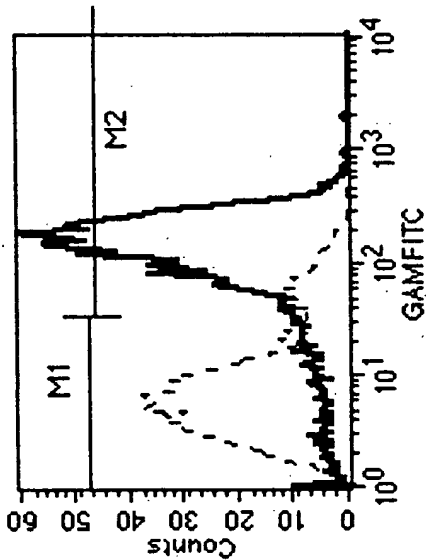
A549 = lung carcinoma cell line

3199 = breast cancer cell line

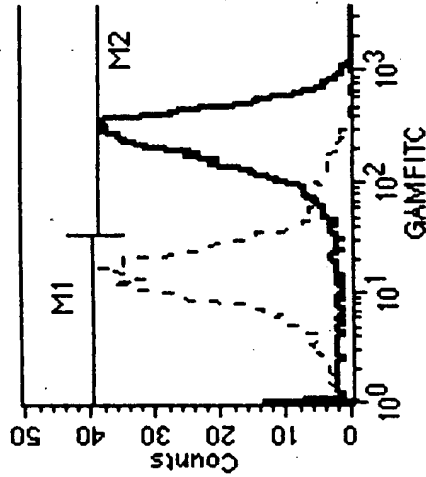
HL60 = leukemia cell line

Fig. 2B

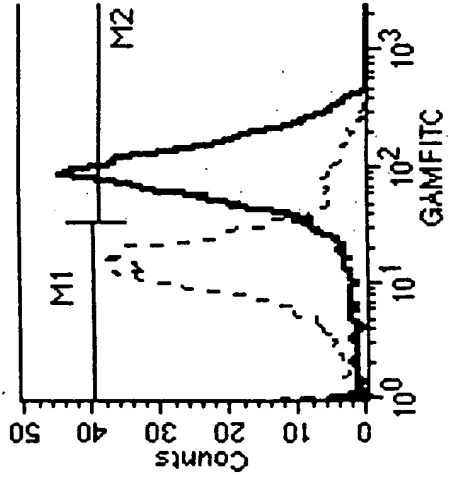
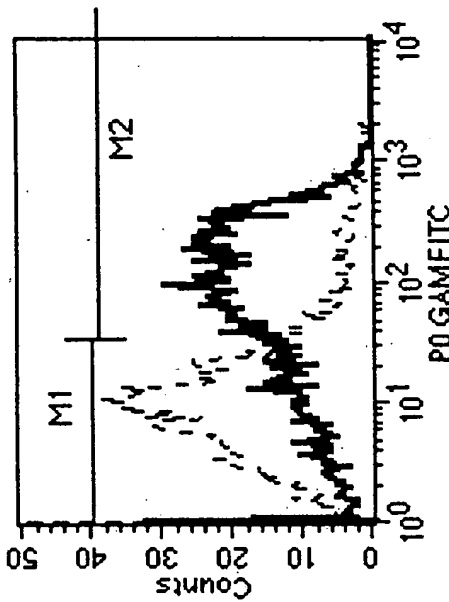
SKBR3



MCF7



16.6



16.4.19

Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

SKBR3 = breast cancer cell line

3133 = breast cancer cell line

3199 = breast cancer cell line

2087 = breast cancer cell line

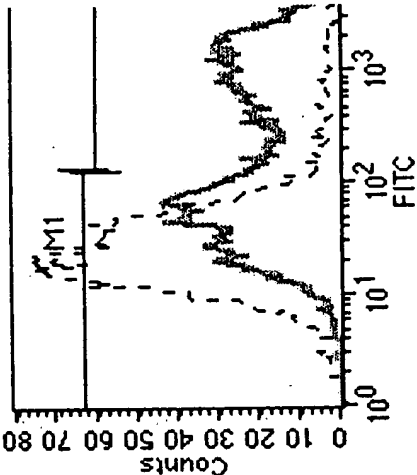
HMEC = Nonmalignant primary mammary epithelial cells

A549 = lung carcinoma cell line

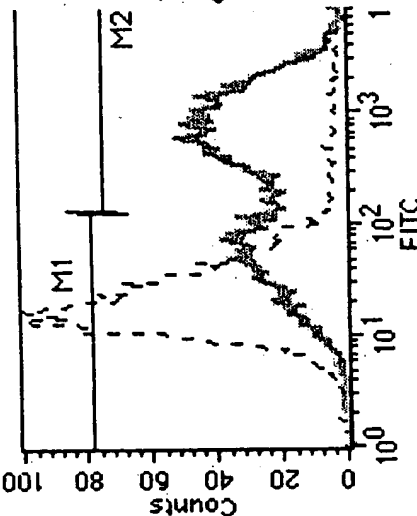
HL60 = leukemia cell line

Fig. 2C

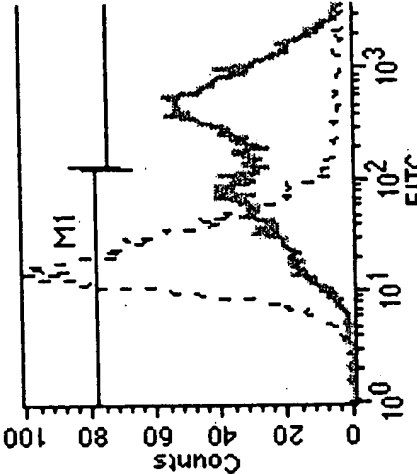
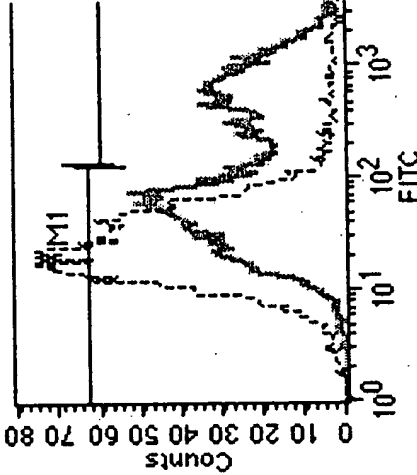
2087



3199



14.6



14.6.11

Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

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SKBR3 = breast cancer cell line

HMEC = Nonmalignant primary mammary epithelial cells

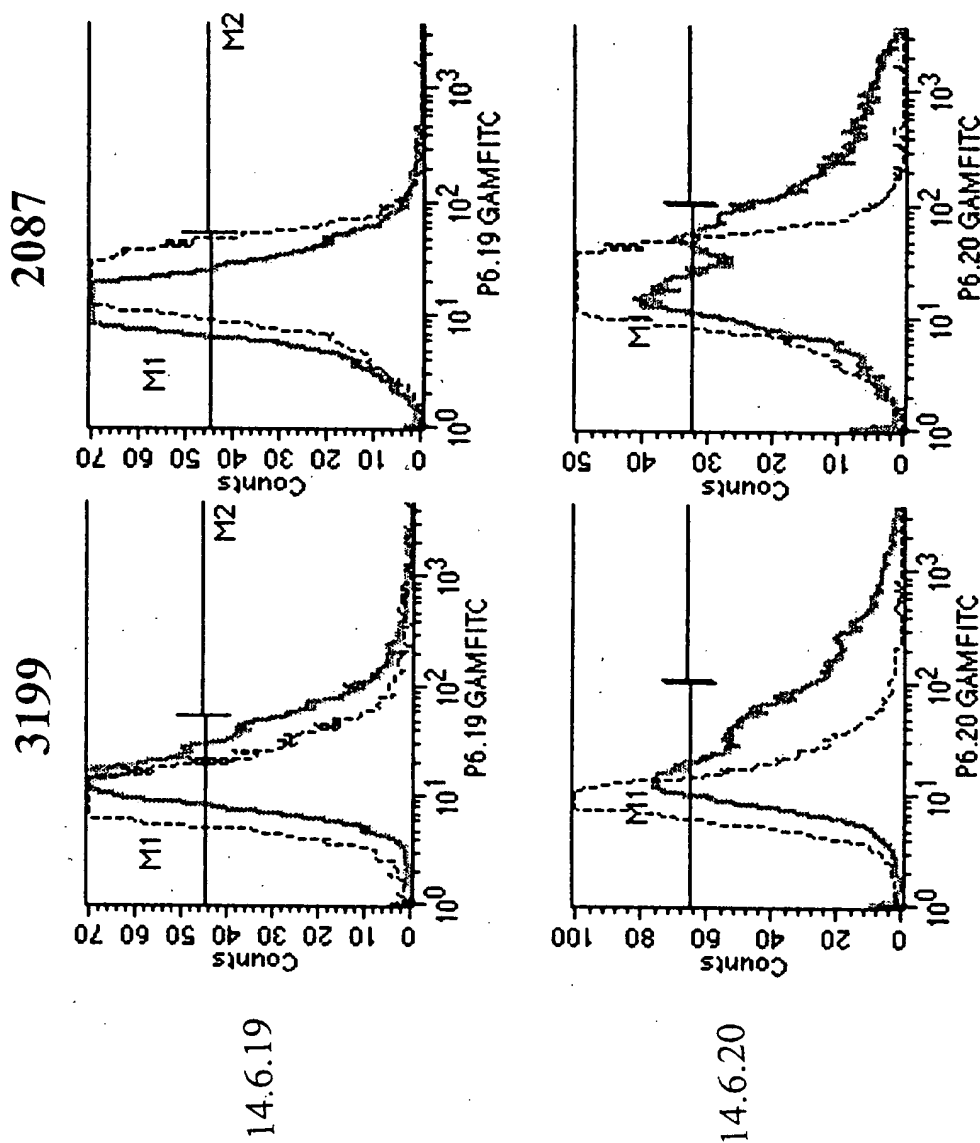
3133 = breast cancer cell line

A549 = lung carcinoma cell line

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HL60 = leukemia cell line

Fig. 2D



Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

SKBR3 = breast cancer cell line

3133 = breast cancer cell line

3199 = breast cancer cell line

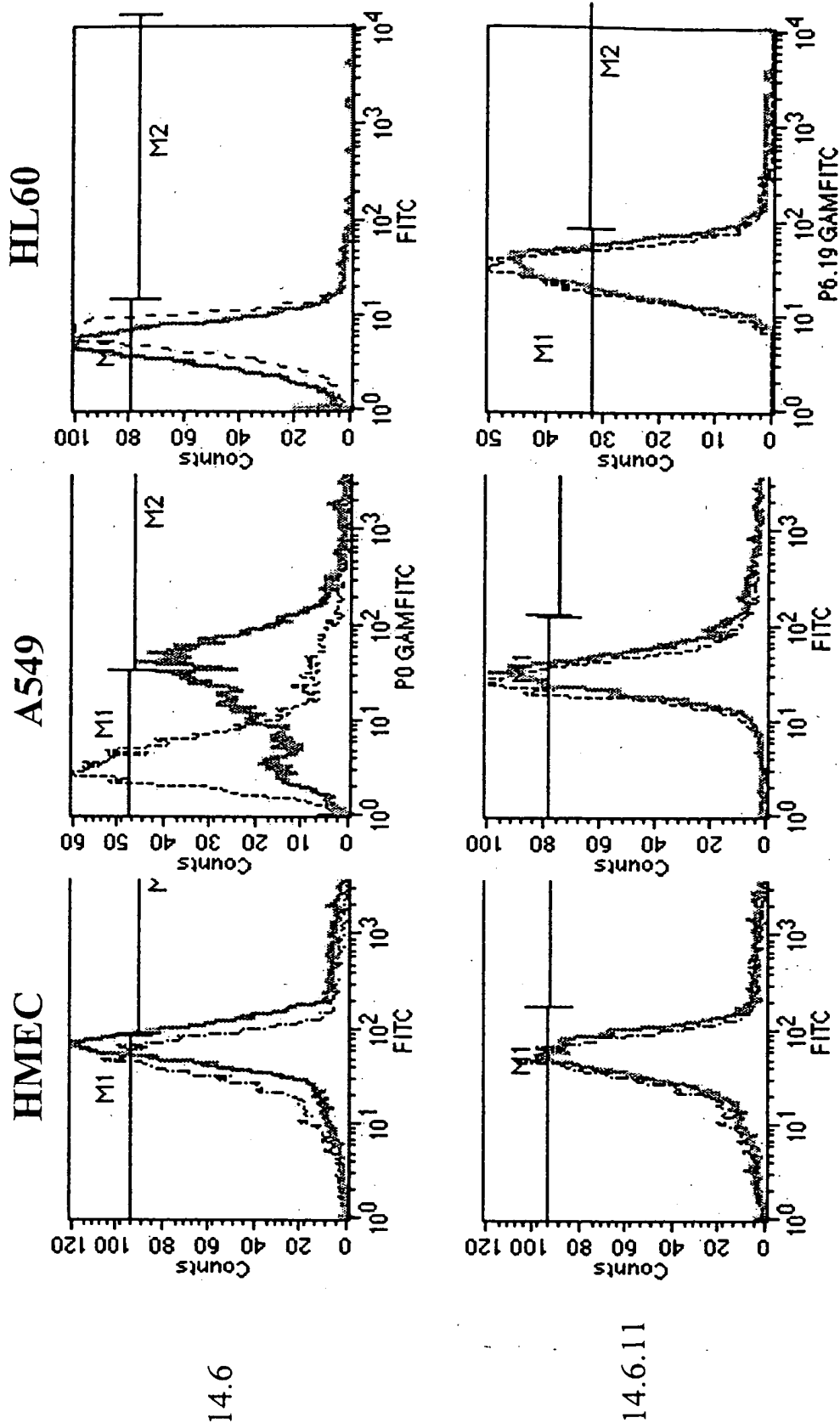
2087 = breast cancer cell line

HMEC = Nonmalignant primary mammary epithelial cells

A549 = lung carcinoma cell line

HL60 = leukemia cell line

Fig. 2E



Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

SKBR3 = breast cancer cell line

3133 = breast cancer cell line

3199 = breast cancer cell line

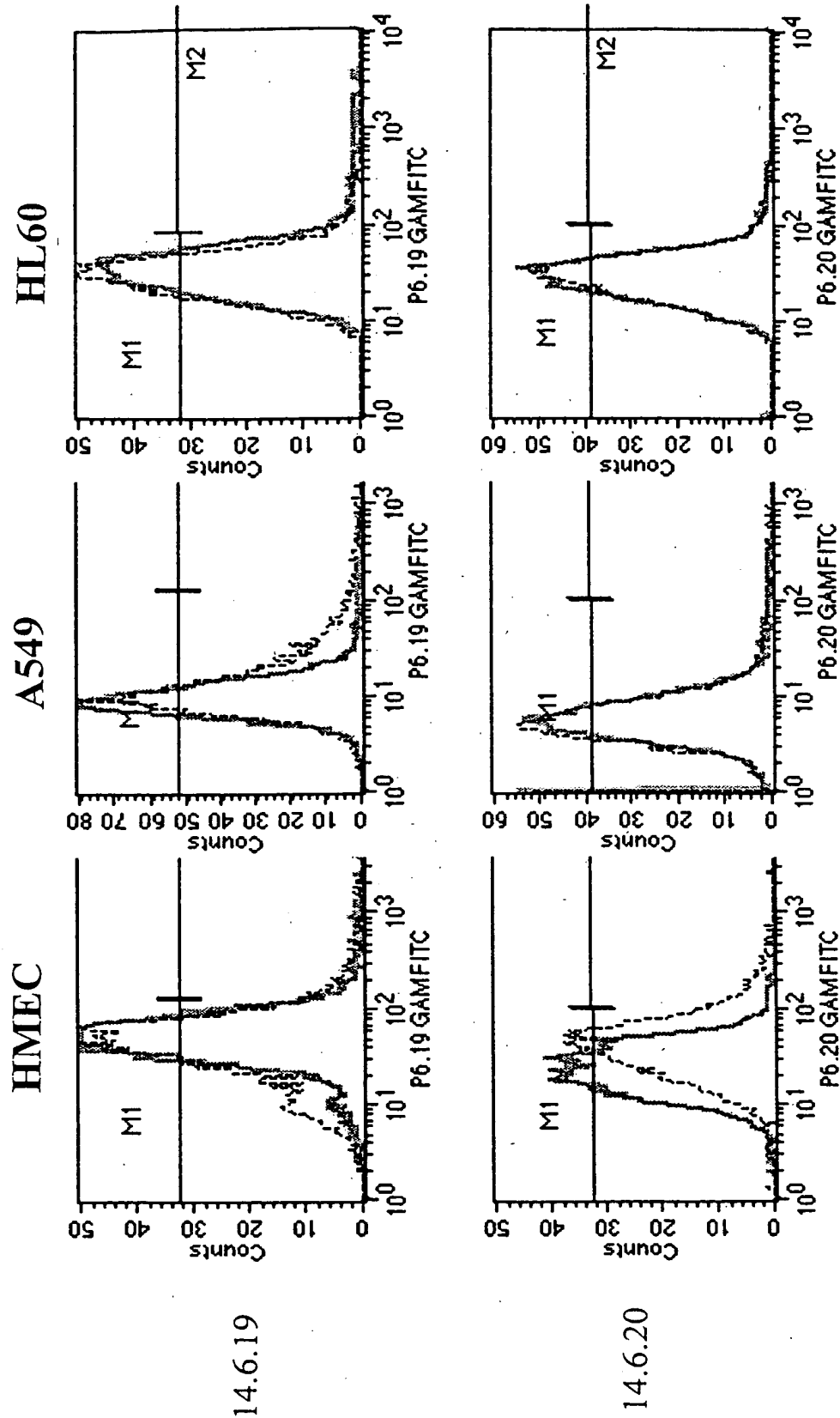
2087 = breast cancer cell line

HMEC = Nonmalignant primary mammary epithelial cells

A549 = lung carcinoma cell line

HL60 = leukemia cell line

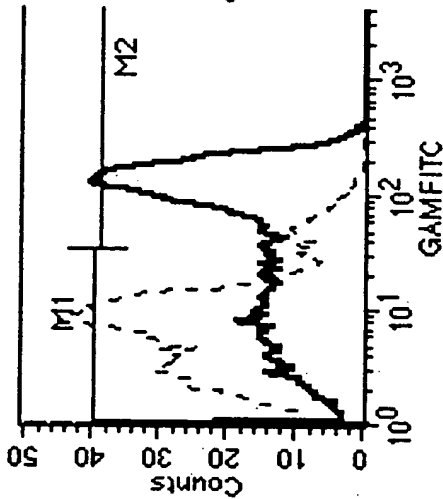
Fig. 2F



Key: Dotted line = preselection antibodies
Solid line = antibody pool after selection on breast cancer cells or individual Fab clone
MCF-7 = breast cancer cell line
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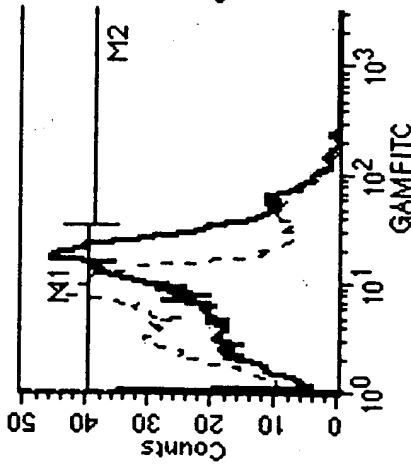
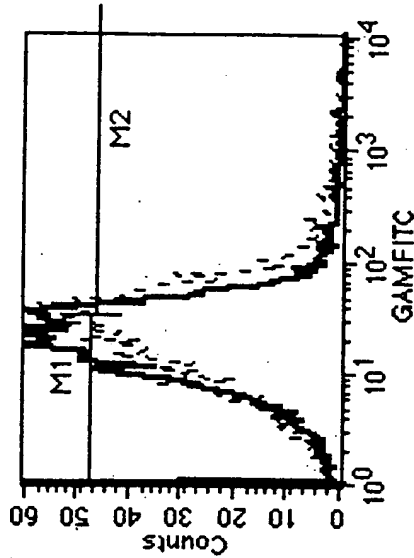
Fig. 2G

A549

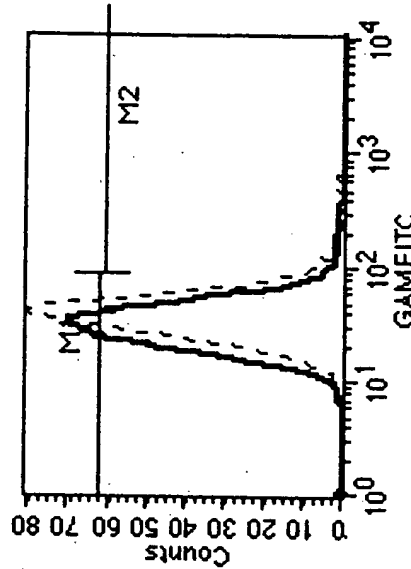


16.6

HL60



16.4.19



Key: Dotted line = preselection antibodies

Solid line = antibody pool after selection on breast cancer cells or individual Fab clone

MCF-7 = breast cancer cell line

2087 = breast cancer cell line

SKBR3 = breast cancer cell line

HMEC = Nonmalignant primary mammary epithelial cells

3133 = breast cancer cell line

A549 = lung carcinoma cell line

3199 = breast cancer cell line

HL60 = leukemia cell line

Fig. 2H

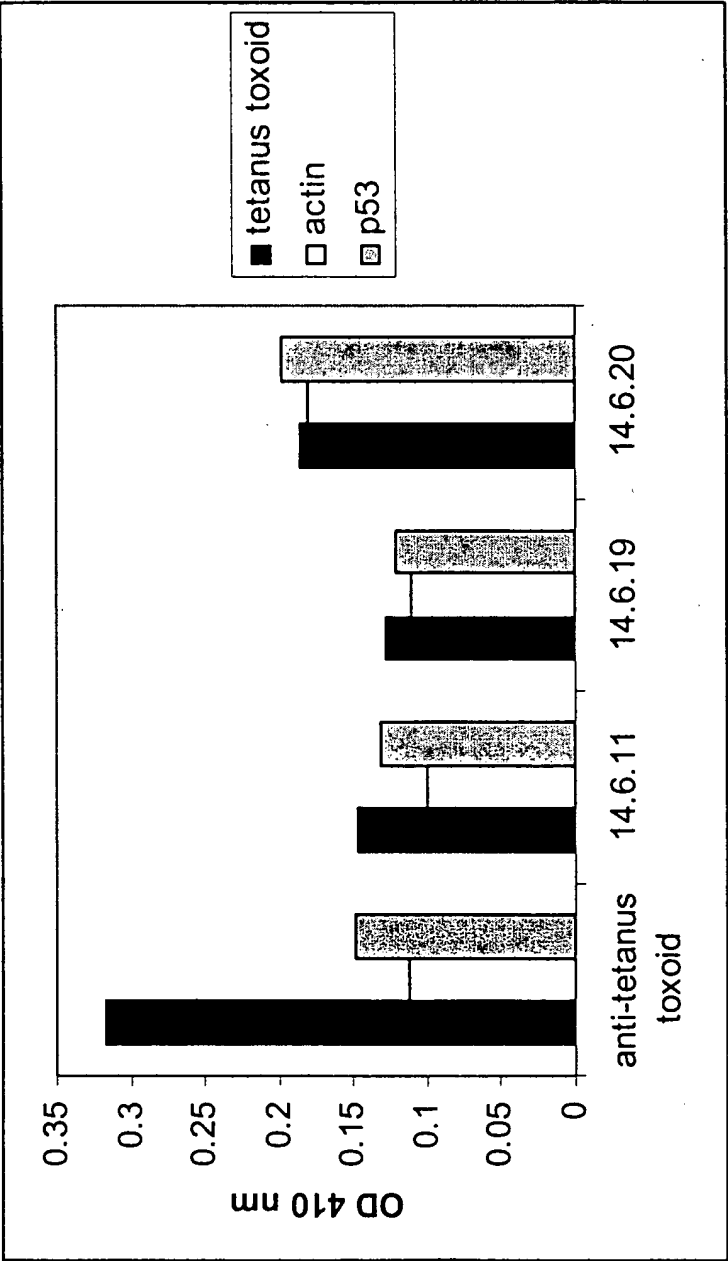


Fig. 3

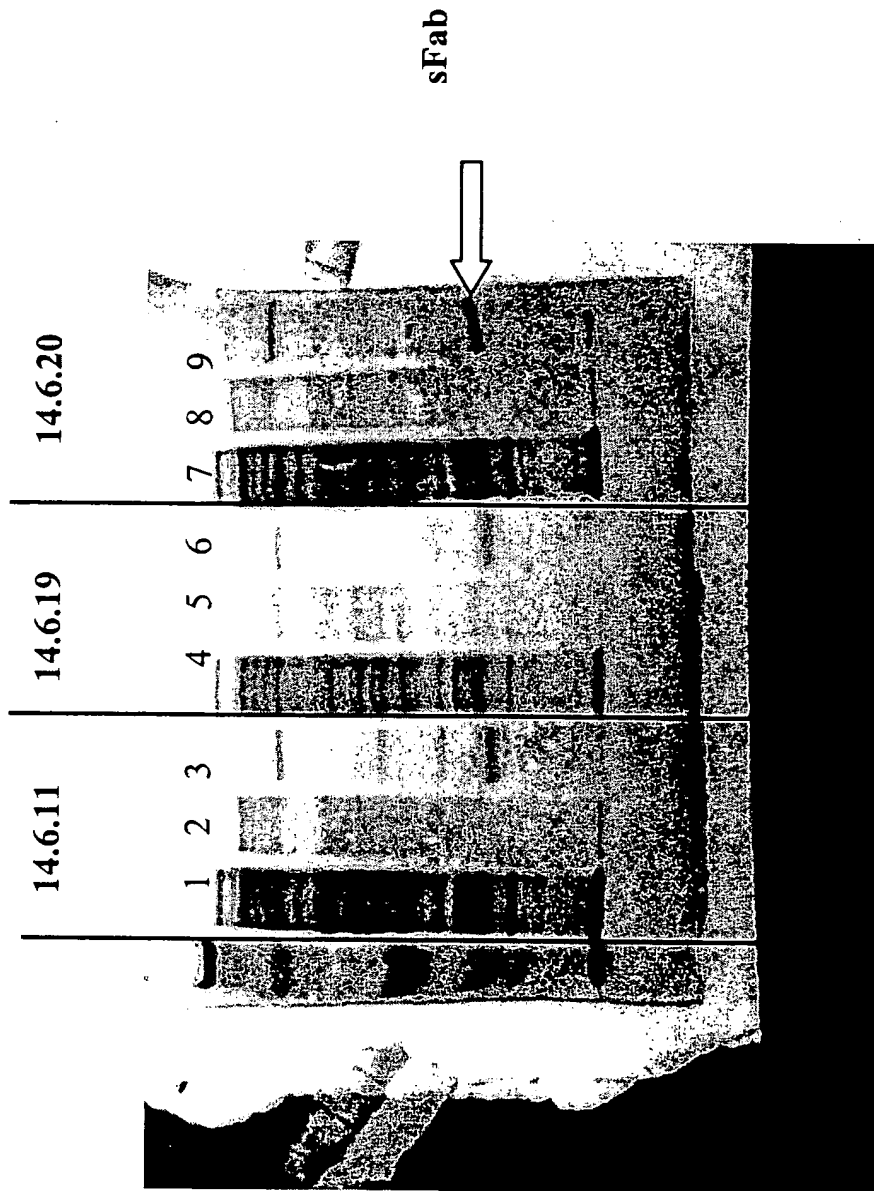


Fig. 4

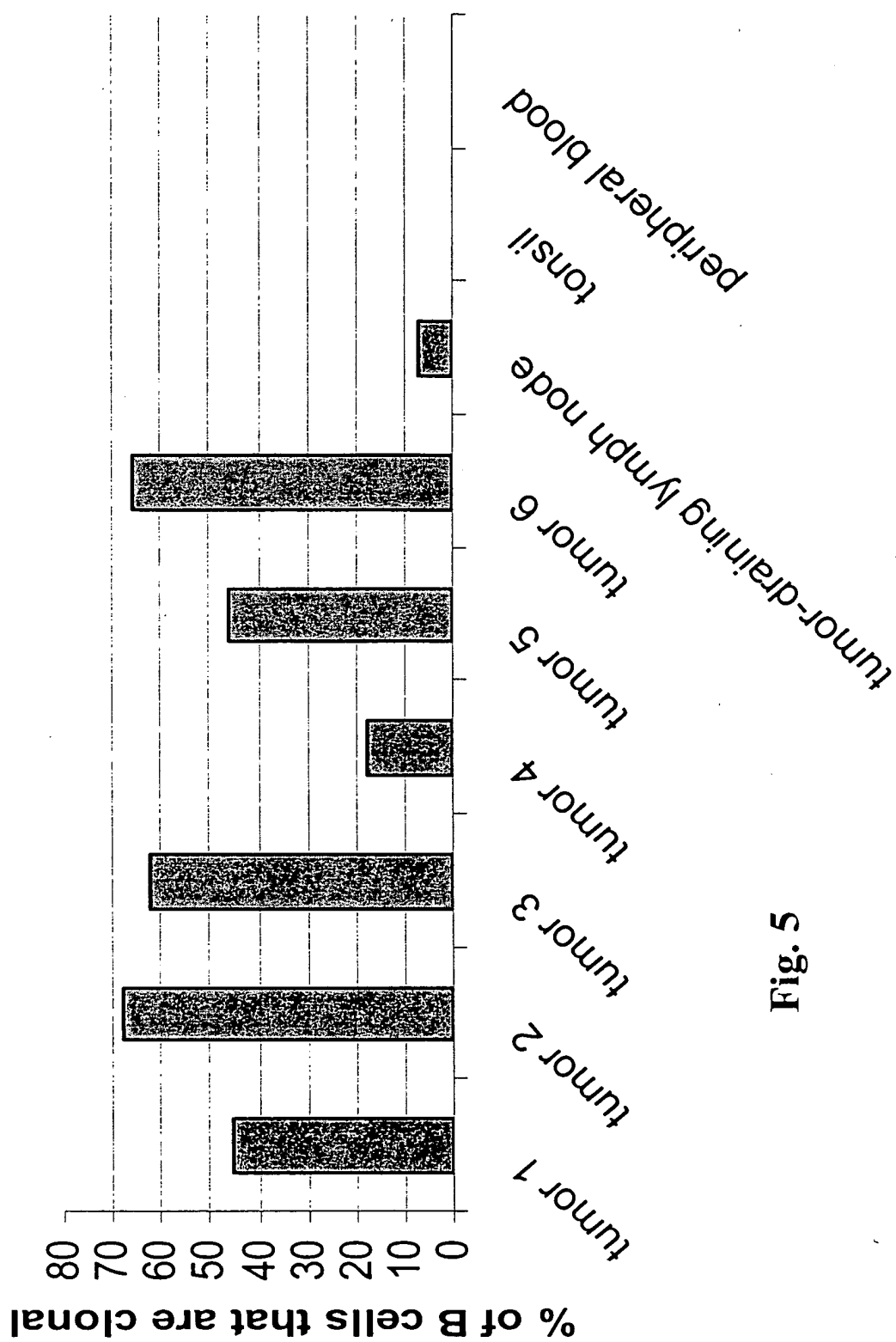


Fig. 5

IGHV3-66*01

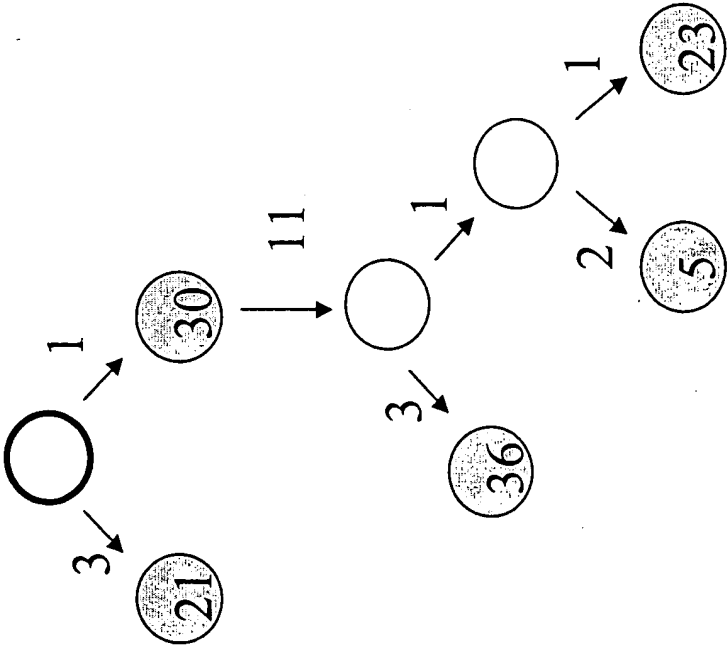
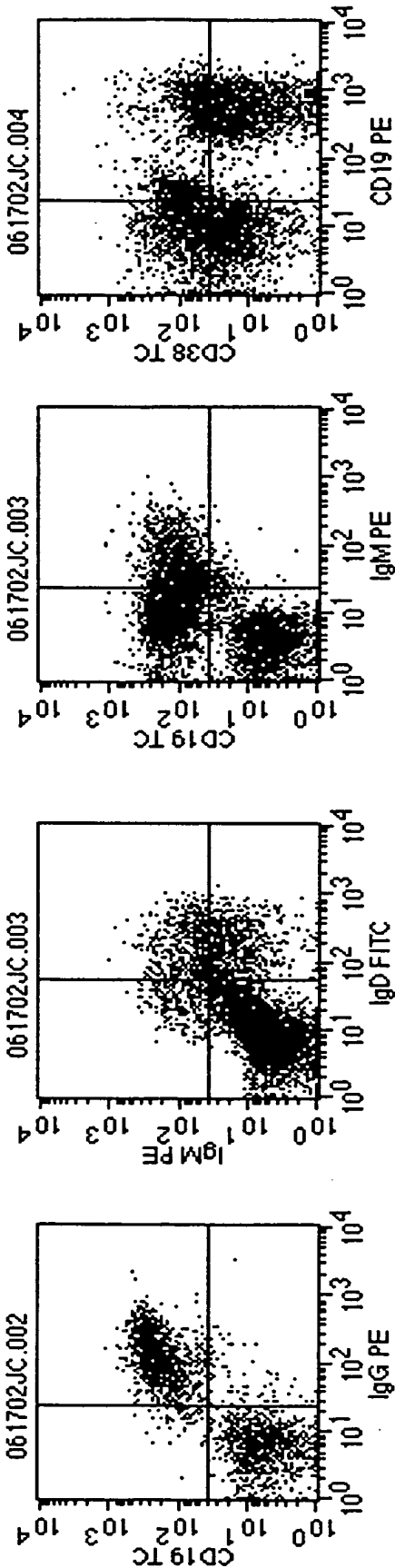


Fig. 6

Tumor-infiltrating lymphocytes



Normal PBMC

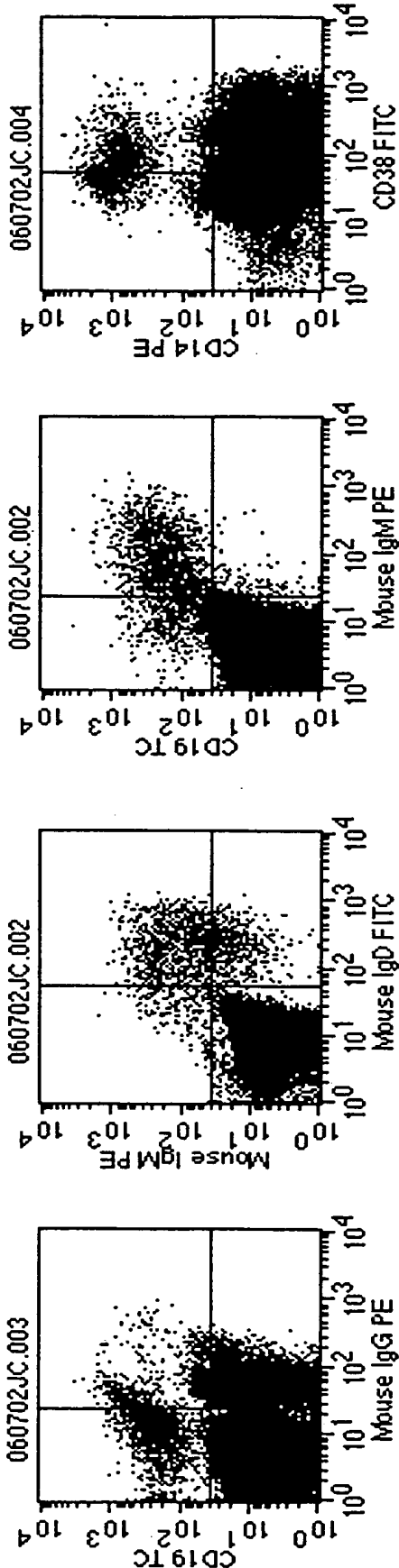


Fig. 7A

sample	n	CD19+/IgG+	IgG/IgD+	CD19+/IgM+	IgM+/IgD+	CD19+/CD38+	CD19/CD40	CD19/CD95
TIL	6	95	40	30	66	30	95	11
tumor-draining lymph node	5	53	20	25	73	37	86	14
PBMC- breast cancer pt	5	41	34	47	90	46	65	45
PBMC - healthy donor	4	23	1	70	90	1	25	22

TILB

marker	specificity	
BCL2	antiapoptotic	hi
CD10	pre-B	0
CD20	B	hi
CD23	activation	0
CD27	memory	0
CD38	plasma cell	0
CD5	T, autoimmune B	0
HLADR	B / APC	hi
Ki-67/CD20	B cell, proliferation	lo

Fig. 7B

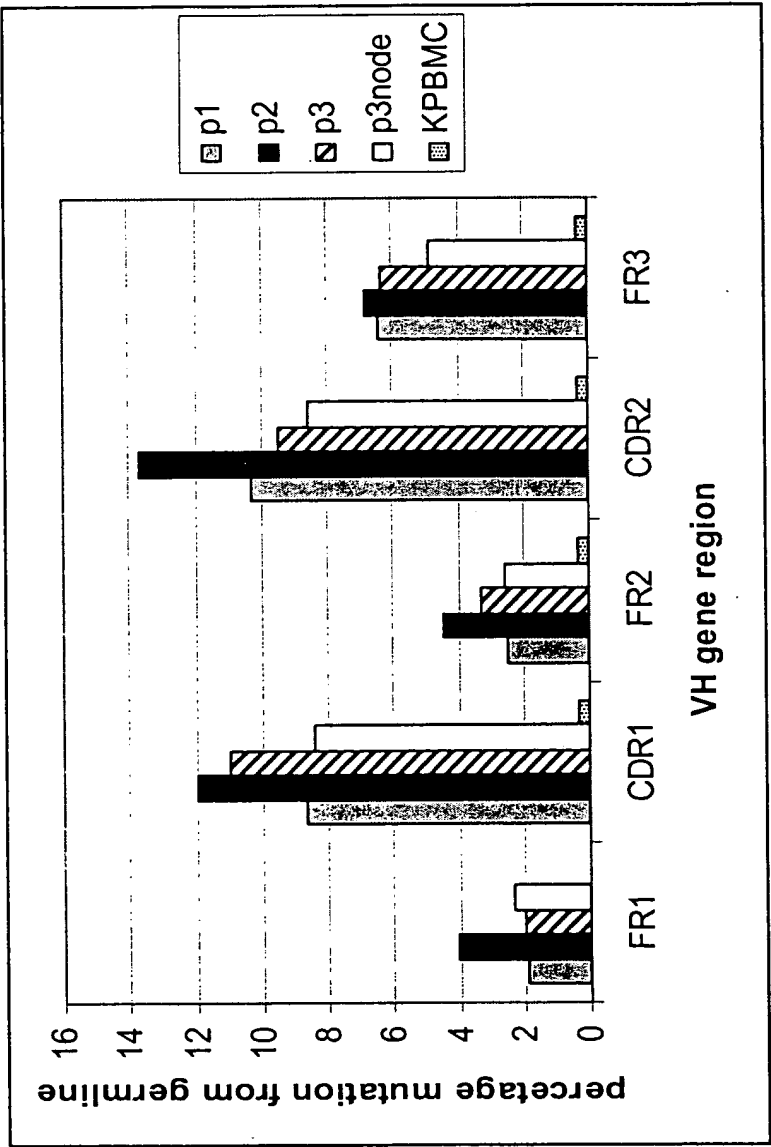


Fig. 8